Measurement and Analysis for Protocols

Research Group (maprg)
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IETF102

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See RFC 3979 (BCP 79) for definitions of "IPR" and "contribution" and for the detailed rules (substituting "IRTF" for "IETF").

Administrativa

- Charter: https://datatracker.ietf.org/group/maprg/charter/

- Mailing List: maprg@irtf.org
  Subscriptions: https://www.irtf.org/mailman/listinfo/maprg

- Today's slides: https://datatracker.ietf.org/meeting/102/session/maprg/

- Remote participation
  Meetecho: http://www.meetecho.com/ietf102/maprg
  Jabber: xmpp:maprg@jabber.ietf.org?join

IAB review @ IETF-101

- IAB reviews one research groups at each meeting to provide feedback to the wg chairs and the IRTF chair

- First review of maprg ever

  ➡ In general very positive feedback

- Chairs mostly focus on dissemination of measurements results from research as this seems to be requested by the participants (rather then creating/initiating new measurement work)

What we do

- Soliciting Contributions and Calls
  - Introducing MAPRG at academic conferences, *e.g.,* IMC 2016, FB's Networking@Scale, TMA'18
  - Announcements in other academic conference-related mailing lists, *e.g.,* TMA, IFIP
  - Direct solicitations to researchers/students *and updates on previously presented measurements*

- Selecting Contributions
  - Driven by charter, focused on measurement data offered (to be presented)
  - Generally accepted as many contributions as will fit the program (by scope and time available)
  - Sometimes limited by logistics, *e.g.,* in-person preferred over remote
  - Explicitly avoid duplicate presentations (e.g in other WGs) and often ask for „updates" of papers
  - We like it when we "scooped" academic conferences by having researchers present in MAPRG first

- Chairs review slides and provide feedback in advance, sometimes negotiating changes, or time allowed

A couple of ideas/questions came out of this

- Split up session into two (or multiple) smaller session to easier deconflict
    - ➡Would require to plan agenda much earlier…
- Are we getting to the right IETFers? Do we need to better connect topics to WGs? How? Spam more mailing lists (or just chairs list)?
- Organize measurement session at hackathon (and release data sets)
- In general invest more effort in getting data/making sure data is publicly available? E.g. ask speakers to fill a template with information about data?
- Better connect also with operator community? Co-operate with MAT in RIPE? However, charter explicitly targets IETF meetings
- Interest in IETF blog post about maprg contributions
    - ➡First post scheduled for end of July
    - ➡Let's us know if you are also interested in disseminating your work this way

Agenda

09:30 **Intro & Overview** *(chairs)*

09:55 ***Heads-up talk:* Dmap: Atomating Domain Name Ecosystem Measurements and Applications**
(*Giovane C. M. Moura*)

10:00 ***Heads-up talk:* Monitoring DNS with open-source solutions** (*Felipe Espinoza*)

10:05 ***Packet Reordering in QUIC*** (*Ian Swett*)

10:15 **Is Bufferbloat a Privacy Issue?** (*Brian Trammell*)

10:30 **Clusters in the Expanse: De-Aliasing IPv6 Hitlists** (*Quirin Scheitle*)

10:45 **Measuring the usable maximum packet size across Internet paths** (*Gorry Fairhurst*)

11:05 **When the Dike breaks: dissecting DNS Defenses during DDoS**
(*Giovane C. M. Moura*)

11:25 **Finding the source of DNS resolver users that were using old DNSSEC keys** (*Wes Hardaker*)